# **Monthly Notices index for Volume 266**

This index contains, in addition to the papers published in Volume 266, details of a paper by Crane & Stiavelli, which was published in Volume 257 (1992) but accidentally omitted from both the volume and annual indexes for that year.

The details of the paper are as follows.

Authors: P. Crane and M. Stiavelli

Title: Resolution of the southern radio lobe of 3C 33 at 660 nm

Issue: Volume 257, No. 1 (1 July 1992), pages 17P-20P

Index key words: galaxies: active – galaxies: individual: 3C 33 – galaxies: jets – radio continuum: galaxies.

(Main subject headings: Galaxies, Sources as a function of wavelength.)

Monthly Notices apologizes for any inconvenience caused by this omission.

# List of key words used in the annual subject indexes

(valid from January 1994)

This list is common to *Monthly Notices of the Royal Astro*nomical Society, Astronomy and Astrophysics, and The Astrophysical Journal. In order to ease the search, the key words are subdivided into broad categories. No more than six subcategories altogether should be listed for a paper.

The subcategories in boldface containing the word 'individual' are intended for use with specific astronomical objects; these should never be used alone, but always in combination with the most common names for the astronomical objects in question. Note that each object counts as one subcategory within the allowed limit of six.

The parts of the key words in italics are for reference only and should be omitted when the key words are entered on the manuscript.

### General

book reviews
editorials, notices
errata, addenda
extraterrestrial intelligence
history and philosophy of astronomy
miscellaneous
obituaries, biographies

# Physical data and processes acceleration of particles

accretion, accretion discs atomic data atomic processes black hole physics chaotic phenomena conduction convection cosmic strings dense matter diffusion elementary particles equation of state gravitation hydrodynamics instabilities line: formation line: identification line: profiles magnetic fields (magnetohydrodynamics) MHD masers molecular data molecular processes nuclear reactions, nucleosynthesis, abundances plasmas

polarization

radiation mechanisms: non-thermal radiation mechanisms: thermal radiative transfer relativity scattering shock waves turbulence waves

atmospheric effects

# Astronomical instrumentation, methods and techniques

balloons instrumentation: detectors instrumentation: interferometers instrumentation: miscellaneous instrumentation: photometers instrumentation: polarimeters instrumentation: spectrographs methods: analytical methods: data analysis methods: miscellaneous methods: numerical methods: observational methods: statistical site testing space vehicles techniques: image processing techniques: interferometric techniques: miscellaneous techniques: photometric techniques: polarimetric techniques: radar astronomy techniques: radial velocities techniques: spectroscopic telescopes

#### Astronomical data bases

astronomical data bases: miscellaneous atlases catalogues surveys

# Astrometry and celestial mechanics

astrometry celestial mechanics, stellar dynamics eclipses ephemerides occultations reference systems time

### The Sun

Sun: abundances

Sun: activity

Sun: atmosphere

Sun: chromosphere

Sun: corona

Sun: faculae, plages

Sun: filaments

Sun: flares

Sun: fundamental parameters

Sun: general

Sun: granulation

Sun: infrared

Sun: interior

Sun: magnetic fields

Sun: oscillations

Sun: particle emission

Sun: photosphere

Sun: prominences

Sun: radio radiation

Sun: rotation

(Sun:) solar-terrestrial relations

(Sun:) solar wind

(Sun:) sunspots

Sun: transition region

Sun: UV radiation

Sun: X-rays, gamma-rays

# Solar system

comets: general

comets: individual:...

Earth

interplanetary medium

meteors, meteoroids

minor planets, asteroids

Moon

planets and satellites: general

planets and satellites: individual:...

Solar system: formation

Solar system: general

### Stars

stars: abundances

stars: activity

stars: AGB and post-AGB

stars: atmospheres

(stars:) binaries (including multiple): close

(stars:) binaries: eclipsing

(stars:) binaries: general

(stars:) binaries: spectroscopic

(stars:) binaries: symbiotic

(stars:) binaries: visual

stars: blue stragglers

stars: carbon

stars: chemically peculiar

stars: chromospheres

(stars:) circumstellar matter

stars: coronae

stars: distances

stars: early-type

stars: emission-line, Be

stars: evolution

stars: flare

stars: formation

stars: fundamental parameters (classification,

colours, luminosities, masses, radii,

temperatures, etc.)

stars: general

stars: giant

(stars:) Hertzsprung-Russell (HR) diagram

stars: horizontal branch

stars: imaging

stars: individual:...

stars: interiors

stars: kinematics

stars: late-type

stars: low-mass, brown dwarfs

stars: luminosity function, mass function

stars: magnetic fields

stars: mass-loss

stars: neutron

(stars:) novae, cataclysmic variables

stars: oscillations (including pulsations)

stars: peculiar (except chemically peculiar)

(stars:) planetary systems

stars: Population II

stars: pre-main-sequence

(stars:) pulsars: general

(stars:) pulsars: individual:...

stars: rotation

stars: statistics

(stars:) subdwarfs

(stars:) supergiants (stars:) supernovae: general

(stars:) supernovae: individual:...

(stars: variables:) Cepheids

(stars. variables.) Cephei

(stars: variables:) & Scuti

stars: variables: other

(stars:) white dwarfs

stars: Wolf-Rayet

# Interstellar medium (ISM), nebulae

ISM: abundances

ISM: atoms ISM: bubbles

ISM: clouds

(ISM:) cosmic rays

(ISM:) dust, extinction

ISM: general

ISM: globules

(ISM:) H II regions

ISM: individual: ...

(except planetary nebulae)

ISM: jets and outflows

ISM: kinematics and dynamics

ISM: magnetic fields

ISM: molecules

GCM. Molecules

(ISM:) planetary nebulae: general

(ISM:) planetary nebulae: individual: ...

(ISM:) reflection nebulae

ISM: structure

(ISM:) supernova remnants

# The Galaxy

Galaxy: abundances

Galaxy: centre

Galaxy: evolution

Galaxy: formation

Galaxy: fundamental parameters

Galaxy: general

(Galaxy:) globular clusters: general

(Galaxy:) globular clusters: individual:...

Galaxy: halo

Galaxy: kinematics and dynamics

(Galaxy:) open clusters and associations: general

(Galaxy:) open clusters and associations: individual: ...

(Galaxy:) solar neighbourhood

Galaxy: stellar content

Galaxy: structure

#### Galaxies

galaxies: abundances

galaxies: active

(galaxies:) BL Lacertae objects: general

(galaxies:) BL Lacertae objects: individual: ...

galaxies: clustering

galaxies: clusters: individual: ...

galaxies: compact

(galaxies:) cooling flows

galaxies: distances and redshifts

galaxies: elliptical and lenticular, cD

galaxies: evolution

galaxies: formation

galaxies: fundamental parameters

(classification, colours, luminosities, masses, radii, etc.)

galaxies: general

galaxies: individual:...

galaxies: interactions

(galaxies:) intergalactic medium

galaxies: ISM

galaxies: irregular

galaxies: jets

galaxies: kinematics and dynamics

(galaxies:) Local Group

galaxies: luminosity function, mass function

(galaxies:) Magellanic Clouds

galaxies: magnetic fields

galaxies: nuclei

galaxies: peculiar

galaxies: photometry

(galaxies:) quasars: absorption lines

(galaxies:) quasars: emission lines

(galaxies:) quasars: general

(galaxies:) quasars: individual:...

galaxies: Seyfert

galaxies: spiral

galaxies: starburst

galaxies: star clusters

galaxies: stellar content

galaxies: structure

### Cosmology

(cosmology:) cosmic microwave background

cosmology: miscellaneous

cosmology: observations

cosmology: theory

(cosmology:) dark matter

(cosmology:) diffuse radiation

(cosmology:) distance scale

(cosmology:) early Universe

(cosmology:) gravitational lensing

(cosmology:) large-scale structure of Universe

# Sources as a function of wavelength

gamma-rays: bursts

gamma-rays: observations

gamma-rays: theory

infrared: galaxies

infrared: general

infrared: ISM: continuum

infrared: ISM: lines and bands

infrared: Solar system

infrared: stars

radio continuum: galaxies

radio continuum: general

radio continuum: ISM

radio continuum: Solar system

radio continuum: stars

radio lines: galaxies

radio lines: general

radio lines: ISM

radio lines: Solar system

radio lines: stars

ultraviolet: galaxies

ultraviolet: general

ultraviolet: ISM

ultraviolet: Solar system

ultraviolet: stars

X-rays: bursts

X-rays: galaxies

X-rays: general

X-rays: ISM

X-rays: stars

# SUBJECT INDEX

# Physical data and processes

Spectral analysis of the gravitational radiation emitted by binary systems in moderately eccentric orbits: application to coalescing binaries (Moreno-Garrido C., Buitrago J., Mediavilla E.), 266, 16

Three-body orbital stability criteria for circular retrograde orbits

(Donnison J.R., Mikulskis D.F.), 266, 25

The role of H+ and H+ ions in the degradation of interstellar molecules (Smith D., Spanel P., Millar T.J.), 266, 31

Eccentric-mode excitation of accretion discs (Whitehurst R.), 266,

IRAS-selected Galactic star-forming regions – I. New  $6_{16} \rightarrow 5_{23}$ water maser detections in molecular cores north of Dec. + 15° (Palumbo G.G.C., Scappini F., Pareschi G., Codella C., Caselli P., Attolini M.R.), 266, 123

Spectroscopy of A0620-00: the mass of the black hole and an image of its accretion disc (Marsh T.R., Robinson E.L., Wood J.H.),

266, 137

Structure of rapidly rotating neutron stars (Eriguchi Y., Hachisu I., Nomoto K.), 266, 179

Free-free transitions of He in the soft-photon limit (John T.L.), 266, 186

Multigrain dust cloud models of compact H II regions (Efstathiou A., Rowan-Robinson M.), 266, 212

Jump shocks in molecular clouds: speed limits and excitation levels (Smith M.D.), 266, 238

Non-uniform mixing in collisionless self-gravitating systems (Ziegler H.J., Wiechen H., Arendt U.), 266, 263

The cooling of hot white dwarfs: a theory with non-standard weak interactions, and a comparison with observations (Blinnikov S.I., Dunina-Barkovskaya N.V.), 266, 289

The axisymmetric instability in weakly magnetized accretion discs (Kumar S., Coleman C.S., Kley W.), 266, 379

Stability and oscillations of thermal accretion discs around black holes (Luo C., Liang E.P.), 266, 386

The physical conditions within dense cold clouds in cooling flows

(Ferland G.J., Fabian A.C., Johnstone R.M.), 266, 399

Dust extinction in starburst galaxies: NGC 1614 and 7714 (Puxley P.J., Brand P.W.J.L.), 266, 431

On the resonance of galactic dynamos with density waves (Hanasz M., Chiba M.), 266, 545

Eccentric accretion discs (Lyubarskij Yu.E., Postnov K.A., Prokhorov M.E.), 266, 583

Magnetic field evolution with Hall drift in neutron stars (Naito T., Kojima Y.), 266, 597

Electromagnetic fields inside thin accretion discs around rotating black holes (Kudoh T.), 266, 609

ROSAT observations of PSR 0950 + 08 (Manning R.A., Willmore A.P.), 266, 635

UIR-band emission from M supergiants (Sylvester R.J., Barlow M.J., Skinner C.J.), 266, 640

The iron  $K\alpha$  line from a partially ionized reflecting medium in an active galactic nucleus (Życki P.T., Czerny B.), 266, 653 'Cored apple' bipolarity: a global instability to convection in radial

accretion? (Henriksen R.N., Valls-Gabaud D.), 266, 681 Accretion on to strange-matter pulsars (Benvenuto O.G., Vucetich

H., Horvath J.E.), 266, 690 Electron impact excitation of N III: fine-structure collision strengths

and Maxwellian-averaged rate coefficients (Stafford R.P., Bell K.L., Hibbert A.), 266, 715 Non-linear dynamos in torus geometry: transition to chaos (Brooke

J.M., Moss D.), 266, 733

The stability of differentially rotating, weakly magnetized stellar radiative zones (Balbus S.A., Hawley J.F.), 266, 769 Opacities for stellar envelopes (Seaton M.J., Yu Yan, Mihalas D.,

Pradhan A.K.), 266, 805

Observations of the eclipsing nova-like variable DW Ursae Majoris in a low state (Dhillon V.S., Jones D.H.P., Marsh T.R.), 266,

Cosmological signatures of decaying dark matter (Dodelson S., Jubas J.M.), 266, 886

First results from the UHRF: ultra-high-resolution observations of interstellar CH, CH+ and CN towards & Ophiuchi (Crawford I.A., Barlow M.J., Diego F., Spyromilio J.), 266, 903

The effect of triplet production on pair—Compton cascades in thermal radiation (Mastichiadis A., Protheroe R.J., Szabo A.P.), 266, 910

The theoretical correlation between UV discrete absorption components and the polarization of ejected blobs in the winds of early-type stars (Fox G.K., Henrichs H.F.), 266, 945

On the origin of the 1.2-um feature in type Ia supernova spectra (Spyromilio J., Pinto P.A., Eastman R.G.), 266, L17

Gravitational waves and the polarization of the cosmic microwave background (Frewin R.A., Polnarev A.G., Coles P.), 266, L21 Clumping and large-scale anisotropy in supernova 1993J (Spyromilio

J.), 266, L61

Ultra-high-resolution observations of Ca K line variations in the  $\beta$ Pictoris disc (Crawford I.A., Spyromilio J., Barlow M.J., Diego F., Lagrange A.M.), 266, L65

# Astronomical instrumentation, methods and techniques

Multicolour faint galaxy number counts with the Hitchhiker parallel CCD camera (Driver S.P., Phillipps S., Davies J.I., Morgan I., Disney M.J.), 266, 155

Structure of rapidly rotating neutron stars (Eriguchi Y., Hachisu I., Nomoto K.), 266, 179

Large-scale clustering in bubble models (Amendola L., Borgani S.), 266, 191

A spherical harmonic approach to redshift distortion and a measurement of  $\Omega_0$  from the 1.2-Jy IRAS Redshift Survey (Fisher K.B., Scharf C.A., Lahav O.), **266**, 219

Non-uniform mixing in collisionless self-gravitating systems (Ziegler H.J., Wiechen H., Arendt U.), 266, 263

The past and future motion of Comet P/Swift-Tuttle (Yau K., Yeomans D., Weissman P.), 266, 305

Synthesis of coded masks for gamma-ray and X-ray telescopes

(Kopilovich L.E., Sodin L.G.), **266**, 357 Optical galaxies within 8000 km s<sup>-1</sup> – III. Inhomogeneous Malmquist bias corrections and the Great Attractor (Hudson M.J.), 266, 468

Clustering properties from finite galaxy samples (Provenzale A., Guzzo L., Murante G.), 266, 555

The use of near-infrared spectroscopy to reclassify HR 8881 (Hammersley P.L., Kidger M.R., Mampaso A.), 266, 678

A maximum entropy method for reconstructing dust temperature distributions from millimetre and submillimetre fluxes (Hobson M.P., Padman R.), 266, 752

CCD and IR-array photometry of Galactic globular clusters - I. BVJK photometry of M69 (Ferraro F.R., Fusi Pecci F., Guarnieri M.D., Moneti A., Origlia L., Testa V.), 266, 829

A cautionary note on gamma-ray burst nearest neighbour statistics (Nowak M.A.), 266, L45

The structure of the remnant of HR Del (Slavin A.J., O'Brien T.J., Dunlop J.S.), 266, L55

### Astronomical data bases

An imaging K-band survey - I. The catalogue, star and galaxy counts (Glazebrook K., Peacock J.A., Collins C.A., Miller L.),

Multicolour faint galaxy number counts with the Hitchhiker parallel CCD camera (Driver S.P., Phillipps S., Davies J.I., Morgan I., Disney M.J.), 266, 155

### Astrometry and celestial mechanics

Three-body orbital stability criteria for circular retrograde orbits (Donnison J.R., Mikulskis D.F.), 266, 25

The Lynden-Bell slow bar as a determinant of the spiral-ring structure in barred galaxies (Pasha I.I., Polyachenko V.L.), 266,

Non-uniform mixing in collisionless self-gravitating systems (Ziegler H.J., Wiechen H., Arendt U.), 266, 263

The past and future motion of Comet P/Swift-Tuttle (Yau K., Yeomans D., Weissman P.), 266, 305

Modified dynamics (MOND) as a dark halo (Sanders R.H., Begeman K.G.), 266, 360

Absolute proper motion and Galactic orbit of M92 (Scholz R.-D., Odenkirchen M., Irwin M.J.), 266, 925

# Solar system

The past and future motion of Comet P/Swift-Tuttle (Yau K., Yeomans D., Weissman P.), 266, 305

### Stars

A search for a secondary frequency in the large-amplitude Delta Scuti star CY Aquarii (Coates D.W., Fernley J.A., Sekiguchi K., Barnes T.G., Frueh M.L.), 266, 1

Deep CCD photometry of the dwarf spheroidal galaxy Leo I (Demers S., Irwin M.J., Gambu I.), 266, 7

Spectral analysis of the gravitational radiation emitted by binary systems in moderately eccentric orbits: application to coalescing binaries (Moreno-Garrido C., Buitrago J., Mediavilla E.), 266, 16

Three-body orbital stability criteria for circular retrograde orbits (Donnison J.R., Mikulskis D.F.), 266, 25

Eccentric-mode excitation of accretion discs (Whitehurst R.), 266,

An imaging K-band survey - I. The catalogue, star and galaxy counts (Glazebrook K., Peacock J.A., Collins C.A., Miller L.),

Elemental abundance analyses with DAO spectrograms - XII. The mercury-manganese stars HR 4072A and 7775 and the metalliclined star HR 4072B (Adelman S.J.), 266, 97

IRAS-selected Galactic star-forming regions – I. New  $6_{16} \rightarrow 5_{23}$ water maser detections in molecular cores north of Dec. + 15° (Palumbo G.G.C., Scappini F., Pareschi G., Codella C., Caselli P., Attolini M.R.), 266, 123

Spectroscopy of A0620-00: the mass of the black hole and an image of its accretion disc (Marsh T.R., Robinson E.L., Wood J.H.), 266, 137

Structure of rapidly rotating neutron stars (Eriguchi Y., Hachisu I., Nomoto K.), 266, 179

3 Puppis: a peculiar object with infrared excess (Rovero A.C., Ringuelet A.E.), 266, 203

Multigrain dust cloud models of compact H II regions (Efstathiou A., Rowan-Robinson M.), 266, 212

The episodic dust-maker WR 125 - II. Spectroscopy and photometry during infrared maximum (Williams P.M., van der Hucht K.A., Kidger M.R., Geballe T.R., Bouchet P.), 266, 247

Thresholds and the chemical evolution of galactic discs - II. Radial flows (Chamcham K., Tayler R.J.), 266, 282

The cooling of hot white dwarfs: a theory with non-standard weak interactions, and a comparison with observations (Blinnikov S.I., Dunina-Barkovskaya N.V.), 266, 289

The distribution of OB stars in the directions of the stellar associations Aur OB 1 and 2 (Tovmassian H.M., Hovhannessian R.Kh., Epremian R.A., Huguenin D.), 266, 337

Detection of the iron  $K\beta$  emission line and two-component X-ray emission from EX Hya (Ishida M., Makishima K., Mukai K., Masai K.), 266, 367

Cepheid period-luminosity relations in K, H, J and V (Laney C.D., Stobie R.S.), 266, 441

Magnetic field evolution with Hall drift in neutron stars (Naito T., Kojima Y.), 266, 597

ROSAT observations of PSR 0950 + 08 (Manning R.A., Willmore A.P.), 266, 635

UIR-band emission from M supergiants (Sylvester R.J., Barlow M.J., Skinner C.J.), 266, 640

The use of near-infrared spectroscopy to reclassify HR 8881 (Hammersley P.L., Kidger M.R., Mampaso A.), 266, 678 Accretion on to strange-matter pulsars (Benvenuto O.G., Vucetich H., Horvath J.E.), 266, 690

CCD photometry of the newly discovered intermediate polar RE 0751 + 14 (Hilditch R.W., Bell S.A.), 266, 703

Investigating the haloes of planetary nebulae – IV. NGC 6720, the Ring Nebula (Bryce M., Balick B., Meaburn J.), 266, 721 HD 183133: a new Be interacting binary (Lawson W.A., Clark M.,

Cottrell P.L.), 266, 740

No fundamental-mode pulsation in R Leonis? (Tuthill P.G., Haniff C.A., Baldwin J.E., Feast M.W.), 266, 745
The discovery of EUV flaring activity in the K0V star HD 197890

with the ROSAT Wide Field Camera (Matthews L., Bromage G.E., Kellett B.J., Sidher S.D., Rochester G.K., Quenby J.J. Sumner T.J., Donoghue D., Willoughby G., Wonnacott D.), 266,

Nova secondary stars, mass-transfer rates and distances (Weight A., Evans A., Naylor T., Wood J.H., Bode M.F.), 266, 761

The stability of differentially rotating, weakly magnetized stellar radiative zones (Balbus S.A., Hawley J.F.), 266, 769

Infrared searches for dark matter in the form of brown dwarfs (Kerins E.J., Carr B.J.), 266, 775

ROSAT X-ray luminosity functions of the Hyades dK and dM stars (Pye J.P., Hodgkin S.T., Stern R.A., Stauffer J.R.), 266, 798 Opacities for stellar envelopes (Seaton M.J., Yu Yan, Mihalas D.,

Pradhan A.K.), 266, 805 CCD and IR-array photometry of Galactic globular clusters - I. BVJK photometry of M69 (Ferraro F.R., Fusi Pecci F., Guarnieri M.D., Moneti A., Origlia L., Testa V.), 266, 829

Observations of the eclipsing nova-like variable DW Ursae Majoris in a low state (Dhillon V.S., Jones D.H.P., Marsh T.R.), 266, 859

131 Tau: another λ Bootis star with a shell (Bohlender D.A., Walker G.A.H.), 266, 891

First results from the UHRF: ultra-high-resolution observations of interstellar CH, CH+ and CN towards ζ Ophiuchi (Crawford

I.A., Barlow M.J., Diego F., Spyromilio J.), **266**, 903 Soft X-ray observations of the early B giants  $\beta$  and  $\epsilon$  CMa (Drew J.E., Denby M., Hoare M.G.), 266, 917

Submillimetre and near-infrared observations of L1448: a curving H2 jet with multiple bow shocks (Davis C.J., Dent W.R.F., Matthews H.E., Aspin C., Lightfoot J.F.), 266, 933

The theoretical correlation between UV discrete absorption components and the polarization of ejected blobs in the winds of early-type stars (Fox G.K., Henrichs H.F.), 266, 945

A new evolutionary model for AM Herculis binaries (Wickramasinghe D.T., Wu K.), 266, L1

Is the ROSAT Wide Field Camera EUV source and Am eclipsing binary, δ Capricorni, also a δ Scuti variable? (Lloyd C., Wonnacott D.), 266, L13

On the origin of the 1.2-µm feature in type Ia supernova spectra (Spyromilio J., Pinto P.A., Eastman R.G.), 266, L17

Optical observations of supernova 1993J from La Palma - I. Days 2 to 125 (Lewis J.R. et al.), 266, L27

RXJ 0929.1-2404: an eclipsing magnetic cataclysmic variable (Sekiguchi K., Nakada Y., Bassett B.), 266, L51

The structure of the remnant of HR Del (Slavin A.J., O'Brien T.J., Dunlop J.S.), 266, L55

Clumping and large-scale anisotropy in supernova 1993J (Spyromilio J.), 266, L61

Ultra-high-resolution observations of Ca K line variations in the  $\beta$ Pictoris disc (Crawford I.A., Spyromilio J., Barlow M.J., Diego F., Lagrange A.M.), 266, L65

#### Interstellar medium (ISM), nebulae

The role of H+ and H3 ions in the degradation of interstellar molecules (Smith D., Spanel P., Millar T.J.), 266, 31

A near-infrared photometric study of the young Orion nebula star cluster NGC 1976 (Qian Z.Y., Sagar R.), 266, 114

IRAS-selected Galactic star-forming regions – I. New  $6_{16} \rightarrow 5_{23}$ water maser detections in molecular cores north of Dec. + 15° (Palumbo G.G.C., Scappini F., Pareschi G., Codella C., Caselli P., Attolini M.R.), 266, 123

Multigrain dust cloud models of compact H II regions (Efstathiou A., Rowan-Robinson M.), 266, 212

Jump shocks in molecular clouds: speed limits and excitation levels (Smith M.D.), 266, 238

The episodic dust-maker WR 125 - II. Spectroscopy and photometry during infrared maximum (Williams P.M., van der Hucht K.A., Kidger M.R., Geballe T.R., Bouchet P.), 266, 247

The distribution of OB stars in the directions of the stellar associations Aur OB 1 and 2 (Tovmassian H.M., Hovhannessian R.Kh., Epremian R.A., Huguenin D.), 266, 337

Dust extinction in starburst galaxies: NGC 1614 and 7714 (Puxley P.J., Brand P.W.J.L.), 266, 431

The structure of young supernova remnants in M82 (Muxlow T.W.B., Pedlar A., Wilkinson P.N., Axon D.J., Sanders E.M., de Bruyn A.G.), 266, 455

Spectroscopy of H II regions at 2 µm: ultracompact sources (Doherty R.M., Puxley P., Doyon R., Brand P.W.J.L.), 266, 497 The opacities of spiral galaxies using volume-representative samples (Valentijn E.A.), 266, 614

UIR-band emission from M supergiants (Sylvester R.J., Barlow

M.J., Skinner C.J.), 266, 640

'Cored apple' bipolarity: a global instability to convection in radial accretion? (Henriksen R.N., Valls-Gabaud D.), 266, 681 Investigating the haloes of planetary nebulae – IV. NGC 6720, the Ring Nebula (Bryce M., Balick B., Meaburn J.), 266, 721

A maximum entropy method for reconstructing dust temperature distributions from millimetre and submillimetre fluxes (Hobson M.P., Padman R.), 266, 752

First results from the UHRF: ultra-high-resolution observations of interstellar CH, CH+ and CN towards ζ Ophiuchi (Crawford I.A., Barlow M.J., Diego F., Spyromilio J.), 266, 903

Submillimetre and near-infrared observations of L1448: a curving H2 jet with multiple bow shocks (Davis C.J., Dent W.R.F., Matthews H.E., Aspin C., Lightfoot J.F.), 266, 933

High-resolution C17O observations of M17SW - III. Analysis of density and velocity structure (Hobson M.P., Jenness T., Padman R., Scott P.F.), 266, 972

A model for the continuum energy distribution of the ultraluminous galaxy IRAS F10214 + 4724 (Mazzei P., De Zotti G.), 266, L5 Optical observations of supernova 1993J from La Palma - I. Days 2 to 125 (Lewis J.R. et al.), 266, L27

# The Galaxy

A near-infrared photometric study of the young Orion nebula star cluster NGC 1976 (Qian Z.Y., Sagar R.), 266, 114

Modified moments and the Oort constants (Cuddeford P., Binney J.), 266, 273

The distribution of OB stars in the directions of the stellar associations Aur OB 1 and 2 (Tovmassian H.M., Hovhannessian R.Kh., Epremian R.A., Huguenin D.), 266, 337

On the motion of the Magellanic Clouds (Kroupa P., Röser S., Bastian U.), 266, 412

Numerical simulations of the Magellanic system - I. Orbits of the Magellanic Clouds and the global gas distribution (Gardiner L.T., Sawa T., Fujimoto M.), 266, 567

ROSAT X-ray luminosity functions of the Hyades dK and dM stars (Pye J.P., Hodgkin S.T., Stern R.A., Stauffer J.R.), 266, 798 CCD and IR-array photometry of Galactic globular clusters - I.

BVJK photometry of M69 (Ferraro F.R., Fusi Pecci F., Guarnieri M.D., Moneti A., Origlia L., Testa V.), 266, 829 Absolute proper motion and Galactic orbit of M92 (Scholz R.-D.,

Odenkirchen M., Irwin M.J.), 266, 925

# Galaxies

Resolution of the southern radio lobe of 3C 33 at 660 nm (Crane P., Stiavelli M.), 257, 17p

Deep CCD photometry of the dwarf spheroidal galaxy Leo I (Demers S., Irwin M.J., Gambu I.), 266, 7

Clustering in the 1.2-Jy IRAS Galaxy Redshift Survey - I. The redshift and real space correlation functions (Fisher K.B., Davis M., Strauss M.A., Yahil A., Huchra J.), 266, 50

An imaging K-band survey – I. The catalogue, star and galaxy counts (Glazebrook K., Peacock J.A., Collins C.A., Miller L.), 266, 65

The Lynden-Bell slow bar as a determinant of the spiral-ring structure in barred galaxies (Pasha I.I., Polyachenko V.L.), 266,

Multicolour faint galaxy number counts with the Hitchhiker parallel CCD camera (Driver S.P., Phillipps S., Davies J.I., Morgan I., Disney M.J.), 266, 155

Large-scale clustering in bubble models (Amendola L., Borgani S.), 266, 191

A spherical harmonic approach to redshift distortion and a measurement of  $\Omega_0$  from the 1.2-Jy IRAS Redshift Survey (Fisher K.B., Scharf C.A., Lahav O.), 266, 219

Non-linear evolution of density perturbations using the approximate constancy of the gravitational potential (Bagla J.S., Padmanabhan T.), 266, 227

A diameter effect in the Tully-Fisher relation and its consequences (Feast M.W.), 266, 255

Thresholds and the chemical evolution of galactic discs - II. Radial flows (Chamcham K., Tayler R.J.), 266, 282 Observations of quasars in ESO/SERC field 927 (Clowes R.G., Campusano L.E.), 266, 317

Reionization and thermal evolution of a photoionized intergalactic medium (Miralda-Escudé J., Rees M.J.), 266, 343

Two-body escape speeds in merged four-galaxy groups (Valtonen M.J., Wiren S.), 266, 353

Modified dynamics (MOND) as a dark halo (Sanders R.H., Begeman K.G.), 266, 360

The physical conditions within dense cold clouds in cooling flows (Ferland G.J., Fabian A.C., Johnstone R.M.), 266, 399
On the motion of the Magellanic Clouds (Kroupa P., Röser S.,

Bastian U.), 266, 412

The effects of cluster environment on the chemical evolution of galaxies - II. NGC 4254 (Henry R.B.C., Pagel B.E.J., Chincarini G.L.), 266, 421

Dust extinction in starburst galaxies: NGC 1614 and 7714 (Puxley P.J., Brand P.W.J.L.), 266, 431

Cepheid period-luminosity relations in K, H, J and V (Laney C.D., Stobie R.S.), 266, 441

The structure of young supernova remnants in M82 (Muxlow T.W.B., Pedlar A., Wilkinson P.N., Axon D.J., Sanders E.M., de Bruyn A.G.), 266, 455

Optical galaxies within 8000 km s<sup>-1</sup> - III. Inhomogeneous Malmquist bias corrections and the Great Attractor (Hudson M.J.), 266, 468

Optical galaxies within 8000 km s<sup>-1</sup> - IV. The peculiar velocity field (Hudson M.J.), 266, 475

Tilting of the primordial power spectrum with bulk viscosity (Lidsey J.E.), 266, 489

The variation of the scalelengths of galaxies at different wavelengths (Evans Rh.), 266, 511

The angular distribution of clusters in skewed CDM models (Borgani S., Coles P., Moscardini L., Plionis M.), 266, 524 On the resonance of galactic dynamos with density waves (Hanasz

M., Chiba M.), 266, 545 Clustering properties from finite galaxy samples (Provenzale A.,

Guzzo L., Murante G.), 266, 555

Numerical simulations of the Magellanic system - I. Orbits of the Magellanic Clouds and the global gas distribution (Gardiner L.T., Sawa T., Fujimoto M.), 266, 567

Electromagnetic fields inside thin accretion discs around rotating black holes (Kudoh T.), 266, 609

The opacities of spiral galaxies using volume-representative samples (Valentijn E.A.), 266, 614

Ram-pressure confinement of extragalactic jets (Komissarov S.S.),

The iron  $K\alpha$  line from a partially ionized reflecting medium in an active galactic nucleus (Życki P.T., Czerny B.), 266, 653

A non-thermal radio/optical/X-ray source in PKS 2316-423

(Crawford C.S., Fabian A.C.), 266, 669
'Cored apple' bipolarity: a global instability to convection in radial accretion? (Henriksen R.N., Valls-Gabaud D.), 266, 681 The deprojection of axisymmetric galaxies (Palmer P.L.), 266, 697 On the formation of compact ellipticals (Burkert A.), 266, 877

Cosmological signatures of decaying dark matter (Dodelson S., Jubas J.M.), 266, 886

Secondary microwave background anisotropies induced by pancakes (Chodorowski M.), 266, 897

The host galaxies of Seyfert type 1 nuclei (Kotilainen J.K., Ward M.J.), 266, 953

New limits on galaxy formation at high redshift (Parkes I.M., Collins C.A., Joseph R.D.), 266, 983

A model for the continuum energy distribution of the ultraluminous galaxy IRAS F10214 + 4724 (Mazzei P., De Zotti G.), 266, L5 NGC 5982: a smooth triaxial elliptical (Oosterloo T., Balcells M.,

Carter D.), 266, L10

Optical observations of supernova 1993J from La Palma - I. Days 2

to 125 (Lewis J.R. et al.), 266, L27

A ROSAT observation of the high-redshift galaxy IRAS F10214 + 4724 (Lawrence A., Rigopoulou D., Rowan-Robinson M., McMahon R.G., Broadhurst T., Lonsdale C.J.), 266, L41 1308 + 328: a new highly variable extragalactic object (Machalski

J., Engels D.), 266, L69

# Cosmology

Clustering in the 1.2-Jy IRAS Galaxy Redshift Survey - I. The redshift and real space correlation functions (Fisher K.B., Davis M., Strauss M.A., Yahil A., Huchra J.), 266, 50

Large-scale clustering in bubble models (Amendola L., Borgani S.), 266, 191

A spherical harmonic approach to redshift distortion and a measurement of  $\Omega_0$  from the 1.2-Jy IRAS Redshift Survey (Fisher K.B., Scharf C.A., Lahav O.), 266, 219

Non-linear evolution of density perturbations using the approximate constancy of the gravitational potential (Bagla J.S., Padmanabhan T.), 266, 227

A diameter effect in the Tully-Fisher relation and its consequences (Feast M.W.), 266, 255

Observations of quasars in ESO/SERC field 927 (Clowes R.G., Campusano L.E.), 266, 317

Reionization and thermal evolution of a photoionized intergalactic medium (Miralda-Escudé J., Rees M.J.), 266, 343

Two-body escape speeds in merged four-galaxy groups (Valtonen

M.J., Wiren S.), 266, 353

Optical galaxies within 8000 km s<sup>-1</sup> - III. Inhomogeneous Malmquist bias corrections and the Great Attractor (Hudson M.J.), 266, 468

Optical galaxies within 8000 km s<sup>-1</sup> – IV. The peculiar velocity field (Hudson M.J.), **266**, 475

Tilting of the primordial power spectrum with bulk viscosity (Lidsey J.E.), 266, 489

The angular distribution of clusters in skewed CDM models (Borgani S., Coles P., Moscardini L., Plionis M.), 266, 524

Clustering properties from finite galaxy samples (Provenzale A., Guzzo L., Murante G.), 266, 555

Infrared searches for dark matter in the form of brown dwarfs (Kerins E.J., Carr B.J.), 266, 775

The autocorrelation function and fluctuations of the soft X-ray sky on scales from 1 arcmin to 5° (Chen L.-W., Fabian A.C. Warwick R.S., Branduardi-Raymont G., Barber C.R.), 266, 846 Reheating and adiabatic particle production (Zimdahl W., Pavón

D.), 266, 872 Cosmological signatures of decaying dark matter (Dodelson S.,

Jubas J.M.), 266, 886 Secondary microwave background anisotropies induced by pancakes (Chodorowski M.), 266, 897

New limits on galaxy formation at high redshift (Parkes I.M., Collins C.A., Joseph R.D.), 266, 983

Gravitational waves and the polarization of the cosmic microwave background (Frewin R.A., Polnarev A.G., Coles P.), 266, L21

### Sources as a function of wavelength

Resolution of the southern radio lobe of 3C 33 at 660 nm (Crane P., Stiavelli M.), 257, 17P

Clustering in the 1.2-Jy IRAS Galaxy Redshift Survey - I. The redshift and real space correlation functions (Fisher K.B., Davis M., Strauss M.A., Yahil A., Huchra J.), 266, 50

An imaging K-band survey - I. The catalogue, star and galaxy counts (Glazebrook K., Peacock J.A., Collins C.A., Miller L.), 266, 65

A near-infrared photometric study of the young Orion nebula star cluster NGC 1976 (Qian Z.Y., Sagar R.), 266, 114

IRAS-selected Galactic star-forming regions – I. New  $6_{16} \rightarrow 5_{23}$ water maser detections in molecular cores north of Dec. + 15° (Palumbo G.G.C., Scappini F., Pareschi G., Codella C., Caselli P., Attolini M.R.), 266, 123

Spectroscopy of A0620-00: the mass of the black hole and an image of its accretion disc (Marsh T.R., Robinson E.L., Wood J.H.),

266, 137

Free-free transitions of He in the soft-photon limit (John T.L.), 266, 186

3 Puppis: a peculiar object with infrared excess (Rovero A.C., Ringuelet A.E.), 266, 203

Multigrain dust cloud models of compact H II regions (Efstathiou A., Rowan-Robinson M.), 266, 212

The episodic dust-maker WR 125 - II. Spectroscopy and photometry during infrared maximum (Williams P.M., van der Hucht K.A., Kidger M.R., Geballe T.R., Bouchet P.), 266, 247

Reionization and thermal evolution of a photoionized intergalactic medium (Miralda-Escudé J., Rees M.J.), 266, 343

Synthesis of coded masks for gamma-ray and X-ray telescopes (Kopilovich L.E., Sodin L.G.), 266, 357

Detection of the iron  $K\beta$  emission line and two-component X-ray emission from EX Hya (Ishida M., Makishima K., Mukai K., Masai K.), 266, 367

Stability and oscillations of thermal accretion discs around black holes (Luo C., Liang E.P.), 266, 386

Cepheid period-luminosity relations in K, H, J and V (Laney C.D., Stobie R.S.), 266, 441

The structure of young supernova remnants in M82 (Muxlow T.W.B., Pedlar A., Wilkinson P.N., Axon D.J., Sanders E.M., de Bruyn A.G.), 266, 455

Spectroscopy of H II regions at 2 µm: ultracompact sources (Doherty R.M., Puxley P., Doyon R., Brand P.W.J.L.), 266, 497 ROSAT observations of PSR 0950 + 08 (Manning R.A., Willmore

UIR-band emission from M supergiants (Sylvester R.J., Barlow M.J., Skinner C.J.), 266, 640

The iron  $K\alpha$  line from a partially ionized reflecting medium in an active galactic nucleus (Życki P.T., Czerny B.), 266, 653

A non-thermal radio/optical/X-ray source in PKS 2316-423 (Crawford C.S., Fabian A.C.), 266, 669

The use of near-infrared spectroscopy to reclassify HR 8881 (Hammersley P.L., Kidger M.R., Mampaso A.), 266, 678 CCD photometry of the newly discovered intermediate polar RE

0751 + 14 (Hilditch R.W., Bell S.A.), 266, 703 A maximum entropy method for reconstructing dust temperature distributions from millimetre and submillimetre fluxes (Hobson

M.P., Padman R.), 266, 752

The discovery of EUV flaring activity in the K0V star HD 197890 with the ROSAT Wide Field Camera (Matthews L., Bromage G.E., Kellett B.J., Sidher S.D., Rochester G.K., Quenby J.J., Sumner T.J., Donoghue D., Willoughby G., Wonnacott D.), 266,

Nova secondary stars, mass-transfer rates and distances (Weight A., Evans A., Naylor T., Wood J.H., Bode M.F.), 266, 761

Infrared searches for dark matter in the form of brown dwarfs (Kerins E.J., Carr B.J.), 266, 775

ROSAT X-ray luminosity functions of the Hyades dK and dM stars (Pye J.P., Hodgkin S.T., Stern R.A., Stauffer J.R.), 266, 798

The autocorrelation function and fluctuations of the soft X-ray sky on scales from 1 arcmin to 5° (Chen L.-W., Fabian A.C. Warwick R.S., Branduardi-Raymont G., Barber C.R.), 266, 846

The effect of triplet production on pair-Compton cascades in thermal radiation (Mastichiadis A., Protheroe R.J., Szabo A.P.), 266, 910

Soft X-ray observations of the early B giants  $\beta$  and  $\epsilon$  CMa (Drew J.E., Denby M., Hoare M.G.), 266, 917

Submillimetre and near-infrared observations of L1448: a curving H2 jet with multiple bow shocks (Davis C.J., Dent W.R.F.,

Matthews H.E., Aspin C., Lightfoot J.F.), 266, 933
The theoretical correlation between UV discrete absorption components and the polarization of ejected blobs in the winds of early-type stars (Fox G.K., Henrichs H.F.), 266, 945

The host galaxies of Seyfert type 1 nuclei (Kotilainen J.K., Ward M.J.), 266, 953

High-resolution C17O observations of M17SW - III. Analysis of density and velocity structure (Hobson M.P., Jenness T., Padman R., Scott P.F.), 266, 972

R., Scott P.F.), 266, 972

New limits on galaxy formation at high redshift (Parkes I.M., Collins C.A., Joseph R.D.), 266, 983

A model for the continuum energy distribution of the ultraluminous galaxy IRAS F10214 + 4724 (Mazzei P., De Zotti G.), 266, L5

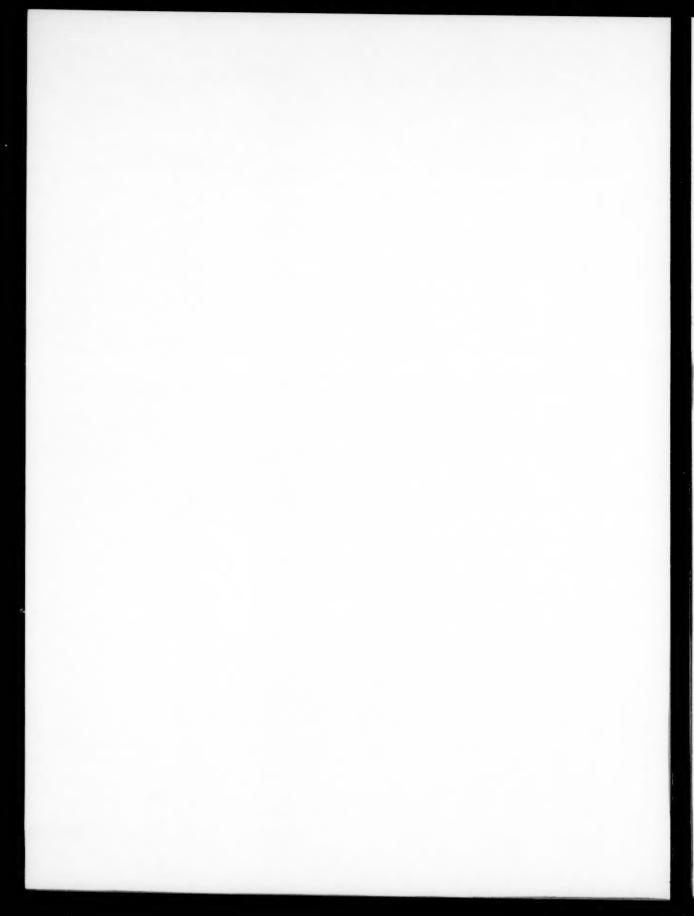
Is the ROSAT Wide Field Camera EUV source and Am eclipsing

binary,  $\delta$  Capricorni, also a  $\delta$  Scuti variable? (Lloyd C., Wonnacott D.), **266**, L13

On the origin of the 1.2-µm feature in type Ia supernova spectra (Spyromilio J., Pinto P.A., Eastman R.G.), 266, L17

A ROSAT observation of the high-redshift galaxy IRAS F10214 +

A ROSAT observation of the high-redshift galaxy IRAS F10214 + 4724 (Lawrence A., Rigopoulou D., Rowan-Robinson M., McMahon R.G., Broadhurst T., Lonsdale C.J.), 266, L41
A cautionary note on gamma-ray burst nearest neighbour statistics (Nowak M.A.), 266, L45
RXJ 0929.1-2404: an eclipsing magnetic cataclysmic variable (Sekiguchi K., Nakada Y., Bassett B.), 266, L51
1308 + 328: a new highly variable extragalactic object (Machalski J., Engels D.), 266, L69



# AUTHOR INDEX

Adelman S.J., Elemental abundance analyses with DAO spectrograms - XII. The mercury-manganese stars HR 4072A and 7775 and the metallic-lined star HR 4072B, 266, 97 Amendola L., Borgani S., Large-scale clustering in bubble models,

266, 191

Arendt U. see Ziegler H.J. Arévalo M. see Lewis J.R. Argyle R.W. see Lewis J.R. Aspin C. see Davis C.J.

Attolini M.R. see Palumbo G.G.C.

Axon D.J. see Muxlow T.W.B.

Bagla J.S., Padmanabhan T., Non-linear evolution of density perturbations using the approximate constancy of the

gravitational potential, 266, 227
Balbus S.A., Hawley J.F., The stability of differentially rotating, weakly magnetized stellar radiative zones, 266, 769

Balcells M. see Oosterloo T. Baldwin J.E. see Tuthill P.G.

Balick B. see Bryce M. Barber C.R. see Chen L.-W.

Barlow M.J. see Crawford I.A.; Sylvester R.J.

Barnes T.G. see Coates D.W. Bassett B. see Sekiguchi K. Bastian U. see Kroupa P. Begeman K.G. see Sanders R.H.

Bell K.L. see Stafford R.P.

Bell S.A. see Hilditch R.W. Benn C.R. see Lewis J.R.

Benvenuto O.G., Vucetich H., Horvath J.E., Accretion on to strange-matter pulsars, 266, 690

Binney J. see Cuddeford P.

Blinnikov S.I., Dunina-Barkovskaya N.V., The cooling of hot white dwarfs: a theory with non-standard weak interactions, and a comparison with observations, 266, 289

Bode M.F. see Weight A.
Bohlender D.A., Walker G.A.H., 131 Tau: another λ Bootis star with a shell, 266, 891

Borgani S. see Amendola L.

Borgani S., Coles P., Moscardini L., Plionis M., The angular distribution of clusters in skewed CDM models, 266, 524

Bouchet P. see Williams P.M.

Brand P.W.J.L. see Doherty R.M.; Puxley P.J.

Branduardi-Raymont G. see Chen L.-W.

Broadhurst T. see Lawrence A.

Bromage G.E. see Matthews L.

Brooke J.M., Moss D., Non-linear dynamos in torus geometry: transition to chaos, 266, 733

Bryce M., Balick B., Meaburn J., Investigating the haloes of planetary nebulae - IV. NGC 6720, the Ring Nebula, 266, 721

Buitrago J. see Moreno-Garrido C.

Bunclark P.S. see Lewis J.R.

Burkert A., On the formation of compact ellipticals, 266, 877

Campusano L.E. see Clowes R.G. Carr B.J. see Kerins E.J. Carter D. see Oosterloo T. Caselli P. see Palumbo G.G.C. Castañeda H.O. see Lewis J.R. Catchpole R.M. see Lewis J.R.

Centurión M. see Lewis J.R.

Chamcham K., Tayler R.J., Thresholds and the chemical evolution of galactic discs – II. Radial flows, 266, 282 Chen L.-W., Fabian A.C., Warwick R.S., Branduardi-Raymont G.,

Barber C.R., The autocorrelation function and fluctuations of the soft X-ray sky on scales from 1 arcmin to 5°, 266, 846

Chiba M. see Hanasz M.

Chincarini G.L. see Henry R.B.C. Chodorowski M., Secondary microwave background anisotropies induced by pancakes, 266, 897

Clark M. see Lawson W.A. Clegg R.E.S see Lewis J.R. Clowes R.G., Campusano L.E., Observations of quasars in ESO/ SERC field 927, 266, 317

Coates D.W., Fernley J.A., Sekiguchi K., Barnes T.G., Frueh M.L., A search for a secondary frequency in the large-amplitude Delta Scuti star CY Aquarii, 266, 1

Codella C. see Palumbo G.G.C

Coleman C.S. see Kumar S.

Coles P. see Borgani S.; Frewin R.A.

Collins C.A. see Glazebrook K.; Parkes I.M.

Cottrell P.L. see Lawson W.A.

Crane P., Stiavelli M., Resolution of the southern radio lobe of 3C 33 at 660 nm, 257, 17p

Crawford C.S., Fabian A.C., A non-thermal radio/optical/X-ray source in PKS 2316-423, 266, 669

Crawford I.A., Barlow M.J., Diego F., Spyromilio J., First results from the UHRF: ultra-high-resolution observations of interstellar CH, CH+ and CN towards ζ Ophiuchi, 266, 903

Crawford I.A., Spyromilio J., Barlow M.J., Diego F., Lagrange A.M., Ultra-high-resolution observations of Ca K line variations in the  $\beta$  Pictoris disc, 266, L65

Cuddeford P., Binney J., Modified moments and the Oort constants, 266, 273

Cumming R.J. see Lewis J.R. Czerny B. see Życki P.T.

Davies J.I. see Driver S.P.

Davis C.J., Dent W.R.F., Matthews H.E., Aspin C., Lightfoot J.F., Submillimetre and near-infrared observations of L1448: a curving H2 jet with multiple bow shocks, 266, 933

Davis M. see Fisher K.B.

de Bruyn A.G. see Muxlow T.W.B.

De Zotti G. see Mazzei P.

Delgado A. see Lewis J.R.

Demers S., Irwin M.J., Gambu I., Deep CCD photometry of the dwarf spheroidal galaxy Leo I, 266, 7

Denby M. see Drew J.E. Dent W.R.F. see Davis C.J. Dhillon V.S. see Lewis J.R.

Dhillon V.S., Jones D.H.P., Marsh T.R., Observations of the eclipsing nova-like variable DW Ursae Majoris in a low state, 266, 859

Diego F. see Crawford I.A. Disney M.J. see Driver S.P.

Dodelson S., Jubas J.M., Cosmological signatures of decaying dark matter, 266, 886

Doherty R.M., Puxley P., Doyon R., Brand P.W.J.L., Spectroscopy of H II regions at 2 µm: ultracompact sources, 266,

Donnison J.R., Mikulskis D.F., Three-body orbital stability criteria for circular retrograde orbits, 266, 25

Donoghue D. see Matthews L.

Doyon R. see Doherty R.M.

Drew J.E., Denby M., Hoare M.G., Soft X-ray observations of the early B giants  $\beta$  and  $\epsilon$  CMa, 266, 917

Driver S.P., Phillipps S., Davies J.I., Morgan I., Disney M.J., Multicolour faint galaxy number counts with the Hitchhiker parallel CCD camera, 266, 155

Dunina-Barkovskaya N.V. see Blinnikov S.I.

Dunlop J.S. see Slavin A.J.

Eastman R.G. see Spyromilio J.

Efstathiou A., Rowan-Robinson M., Multigrain dust cloud models of compact H II regions, 266, 212

Engels D. see Machalski J.

Epremian R.A. see Tovmassian H.M.

Eriguchi Y., Hachisu I., Nomoto K., Structure of rapidly rotating neutron stars, 266, 179

Evans A. see Weight A.

Evans Rh., The variation of the scalelengths of galaxies at different wavelengths, 266, 511

Fabian A.C. see Chen L.-W.; Crawford C.S.; Ferland G.J.

Feast M.W. see Tuthill P.G.

Feast M.W., A diameter effect in the Tully-Fisher relation and its consequences, 266, 255

Ferland G.J., Fabian A.C., Johnstone R.M., The physical conditions within dense cold clouds in cooling flows, 266, 399 Fernley J.A. see Coates D.W.

Ferraro F.R., Fusi Pecci F., Guarnieri M.D., Moneti A., Origlia L., Testa V., CCD and IR-array photometry of Galactic globular clusters – I. BVJK photometry of M69, 266, 829
Fisher K.B., Davis M., Strauss M.A., Yahil A., Huchra J.

Clustering in the 1.2-Jy IRAS Galaxy Redshift Survey - I. The redshift and real space correlation functions, 266, 50 Fisher K.B., Scharf C.A., Lahav O., A spherical harmonic

approach to redshift distortion and a measurement of  $\Omega_0$  from the 1.2-Jy IRAS Redshift Survey, 266, 219

Fox G.K., Henrichs H.F., The theoretical correlation between UV discrete absorption components and the polarization of ejected blobs in the winds of early-type stars, 266, 945 Frewin R.A., Polnarev A.G., Coles P., Gravitational waves and the

polarization of the cosmic microwave background, 266, L21

Frueh M.L. see Coates D.W. Fuilmoto M. see Gardiner L.T. Fusi Pecci F. see Ferraro F.R.

Gambu I. see Demers S.

Gardiner L.T., Sawa T., Fujimoto M., Numerical simulations of the Magellanic system - I. Orbits of the Magellanic Clouds and the global gas distribution, 266, 567 Geballe T.R. see Williams P.M.

Glazebrook K., Peacock J.A., Collins C.A., Miller L., An imaging K-band survey - I. The catalogue, star and galaxy counts, 266, 65 Goudfrooij P. see Lewis J.R.

Guarnieri M.D. see Ferraro F.R.

Guzzo L. see Provenzale A.

Hachisu I. see Eriguchi Y.

Hammersley P.L., Kidger M.R., Mampaso A., The use of nearinfrared spectroscopy to reclassify HR 8881, 266, 678

Hanasz M., Chiba M., On the resonance of galactic dynamos with density waves, 266, 545

Haniff C.A. see Tuthill P.G. Harlaftis E.H. see Lewis J.R. Hassall B.J.M. see Lewis J.R.

Hawley J.F. see Balbus S.A. Helmer L. see Lewis J.R.

Henrichs H.F. see Fox G.K. Henriksen R.N., Valls-Gabaud D., 'Cored apple' bipolarity: a global instability to convection in radial accretion?, 266, 681

Henry R.B.C., Pagel B.E.J., Chincarini G.L., The effects of cluster environment on the chemical evolution of galaxies - II. NGC 4254, 266, 421

Hibbert A. see Stafford R.P.

Hilditch R.W., Bell S.A., CCD photometry of the newly discovered intermediate polar RE 0751 + 14, 266, 703

Hill P.W. see Lewis J.R.

Hoare M.G. see Drew J.E.

Hobson M.P., Jenness T., Padman R., Scott P.F., High-resolution C17O observations of M17SW - III. Analysis of density and velocity structure, 266, 972

Hobson M.P., Padman R., A maximum entropy method for reconstructing dust temperature distributions from millimetre and submillimetre fluxes, 266, 752

Hodgkin S.T. see Pye J.P.

Horvath J.E. see Benvenuto O.G.

Hovhannessian R.Kh. see Tovmassian H.M.

Huchra J. see Fisher K.B.

Hudson M.J., Optical galaxies within 8000 km s<sup>-1</sup> - III. Inhomogeneous Malmquist bias corrections and the Great Attractor, 266, 468

Hudson M.J., Optical galaxies within 8000 km s<sup>-1</sup> - IV. The peculiar velocity field, 266, 475

Huguenin D. see Tovmassian H.M.

Irwin M.J. see Demers S.; Scholz R.-D.

Ishida M., Makishima K., Mukai K., Masai K., Detection of the iron K\$\beta\$ emission line and two-component X-ray emission from EX Hya, 266, 367

Jenness T. see Hobson M.P.

John T.L., Free-free transitions of He in the soft-photon limit, 266, 186

Johnstone R.M. see Ferland G.J.

Jones D.H.P. see Dhillon V.S.; Lewis J.R.

Joseph R.D. see Parkes I.M.

Jubas J.M. see Dodelson S.

Kellett B.J. see Matthews L.

Kerins E.J., Carr B.J., Infrared searches for dark matter in the form of brown dwarfs, 266, 775

Kidger M.R. see Hammersley P.L.; Williams P.M.

King D.L. see Lewis J.R.

Kley W. see Kumar S.

Kojima Y. see Naito T.

Komissarov S.S., Ram-pressure confinement of extragalactic jets, 266, 649

Kopilovich L.E., Sodin L.G., Synthesis of coded masks for gamma-ray and X-ray telescopes, 266, 357

Kotilainen J.K., Ward M.J., The host galaxies of Seyfert type 1 nuclei, 266, 953

Kroupa P., Röser S., Bastian U., On the motion of the Magellanic Clouds, 266, 412

Kudoh T., Electromagnetic fields inside thin accretion discs around

rotating black holes, 266, 609 Kumar S., Coleman C.S., Kley W., The axisymmetric instability in weakly magnetized accretion discs, 266, 379

Lagrange A.M. see Crawford I.A.

Lahav O. see Fisher K.B.

Laney C.D., Stobie R.S., Cepheid period-luminosity relations in K, H, J and V, 266, 441

Lawrence A., Rigopoulou D., Rowan-Robinson M., McMahon R.G., Broadhurst T., Lonsdale C.J., A ROSAT observation of the high-redshift galaxy IRAS F10214 + 4724, 266, L41 Lawson W.A., Clark M., Cottrell P.L., HD 183133: a new Be

interacting binary, 266, 740

Lázaro C. see Lewis J.R. Lewis J.R., Walton N.A., Meikle W.P.S., Martin R., Cumming R.J., Catchpole R.M., Arévalo M., Argyle R.W., Benn C.R., Bunclark P.S., Castañeda H.O., Centurión M., Clegg R.E.S., Delgado A., Dhillon V.S., Goudfrooij P., Harlaftis E.H., Hassall B.J.M., Helmer L., Hill P.W., Jones D.H.P., King D.L., Lázaro C., Lucey J.R., Martín E.L., Miller L., Morrison L.V., Penny A.J., Pérez E., Read M., Rudd P.J., Rutten R.G.M., Sharples R.M., Unger S.W., Vilchez J., Optical observations of supernova 1993J from La Palma - I. Days 2 to 125, 266, L27

Liang E.P. see Luo C.

Lidsey J.E., Tilting of the primordial power spectrum with bulk viscosity, 266, 489

Lightfoot J.F. see Davis C.J.

Lloyd C., Wonnacott D., Is the ROSAT Wide Field Camera EUV source and Am eclipsing binary,  $\delta$  Capricorni, also a  $\delta$  Scuti variable?, 266, L13

Lonsdale C.J. see Lawrence A.

Lucey J.R. see Lewis J.R.

Luo C., Liang E.P., Stability and oscillations of thermal accretion discs around black holes, 266, 386

Lyubarskij Yu.E., Postnov K.A., Prokhorov M.E., Eccentric accretion discs, 266, 583

Machalski J., Engels D., 1308 + 328: a new highly variable extragalactic object, 266, L69

McMahon R.G. see Lawrence A.

Makishima K. see Ishida M.

Mampaso A. see Hammersley P.L.

Manning R.A., Willmore A.P., ROSAT observations of PSR 0950 + 08, 266, 635

Marsh T.R. see Dhillon V.S.

Marsh T.R., Robinson E.L., Wood J.H., Spectroscopy of A0620-00: the mass of the black hole and an image of its accretion disc, 266, 137

Martín E.L. see Lewis J.R. Martin R. see Lewis J.R.

Masai K. see Ishida M.

Mastichiadis A., Protheroe R.J., Szabo A.P., The effect of triplet production on pair-Compton cascades in thermal radiation, 266, 910

Matthews H.E. see Davis C.J.

Matthews L., Bromage G.E., Kellett B.J., Sidher S.D., Rochester G.K., Quenby J.J., Sumner T.J., Donoghue D., Willoughby G., Wonnacott D., The discovery of EUV flaring activity in the K0V star HD 197890 with the ROSAT Wide Field Camera, 266, 757

Mazzei P., De Zotti G., A model for the continuum energy distribution of the ultraluminous galaxy IRAS F10214 + 4724,

Meaburn J. see Bryce M.

Mediavilla E. see Moreno-Garrido C.

Meikle W.P.S. see Lewis J.R.

Mihalas D. see Seaton M.J.

Mikulskis D.F. see Donnison J.R.

Millar T.J. see Smith D.

Miller L. see Glazebrook K.; Lewis J.R.

Miralda-Escudé J., Rees M.J., Reionization and thermal evolution of a photoionized intergalactic medium, 266, 343

Moneti A. see Ferraro F.R.

Moreno-Garrido C., Buitrago J., Mediavilla E., Spectral analysis of the gravitational radiation emitted by binary systems in moderately eccentric orbits: application to coalescing binaries,

Morgan I. see Driver S.P. Morrison L.V. see Lewis J.R. Moscardini L. see Borgani S. Moss D. see Brooke J.M.

Mukai K. see Ishida M.

Murante G. see Provenzale A.

Muxlow T.W.B., Pedlar A., Wilkinson P.N., Axon D.J., Sanders E.M., de Bruyn A.G., The structure of young supernova remnants in M82, 266, 455

Naito T., Kojima Y., Magnetic field evolution with Hall drift in neutron stars, 266, 59

Nakada Y. see Sekiguchi K. Naylor T. see Weight A. Nomoto K. see Eriguchi Y.

Nowak M.A., A cautionary note on gamma-ray burst nearest neighbour statistics, 266, L45

O'Brien T.J. see Slavin A.J. Odenkirchen M. see Scholz R.-D.

Oosterloo T., Balcells M., Carter D., NGC 5982: a smooth triaxial elliptical, 266, L10

Origlia L. see Ferraro F.R.

Padman R. see Hobson M.P. Padmanabhan T. see Bagla J.S. Pagel B.E.J. see Henry R.B.C.

Palmer P.L., The deprojection of axisymmetric galaxies, 266, 697 Palumbo G.G.C., Scappini F., Pareschi G., Codella C., Caselli P., Attolini M.R., IRAS-selected Galactic star-forming regions – I. New  $6_{16} \rightarrow 5_{23}$  water maser detections in molecular cores north of Dec. + 15°, 266, 123

Pareschi G. see Palumbo G.G.C.

Parkes I.M., Collins C.A., Joseph R.D., New limits on galaxy formation at high redshift, 266, 983

Pasha I.I., Polyachenko V.L., The Lynden-Bell slow bar as a determinant of the spiral-ring structure in barred galaxies, 266, 92

Pavón D. see Zimdahl W. Peacock J.A. see Glazebrook K. Pedlar A. see Muxlow T.W.B.

Penny A.J. see Lewis J.R. Pérez E. see Lewis J.R.

Phillipps S. see Driver S.P. Pinto P.A. see Spyromilio J.

Plionis M. see Borgani S. Polnarev A.G. see Frewin R.A.

Polyachenko V.L. see Pasha I.I. Postnov K.A. see Lyubarskij Yu.E.

Pradhan A.K. see Seaton M.J. Prokhorov M.E. see Lyubarskij Yu.E.

Protheroe R.J. see Mastichiadis A.

Provenzale A., Guzzo L., Murante G., Clustering properties from finite galaxy samples, 266, 555

Puxley P. see Doherty R.M.

Puxley P.J., Brand P.W.J.L., Dust extinction in starburst galaxies: NGC 1614 and 7714, 266, 431

Pye J.P., Hodgkin S.T., Stern R.A., Stauffer J.R., ROSAT X-ray luminosity functions of the Hyades dK and dM stars, 266, 798

Qian Z.Y., Sagar R., A near-infrared photometric study of the young Orion nebula star cluster NGC 1976, 266, 114 Quenby J.J. see Matthews L.

Read M. see Lewis J.R.

Rees M.J. see Miralda-Escudé J.

Rigopoulou D. see Lawrence A.

Ringuelet A.E. see Rovero A.C.

Robinson E.L. see Marsh T.R. Rochester G.K. see Matthews L.

Röser S. see Kroupa P.

Rovero A.C., Ringuelet A.E., 3 Puppis: a peculiar object with infrared excess, 266, 203

Rowan-Robinson M. see Efstathiou A.; Lawrence A.

Rudd P.J. see Lewis J.R.

Rutten R.G.M. see Lewis J.R.

Sagar R. see Qian Z.Y.

Sanders E.M. see Muxlow T.W.B.

Sanders R.H., Begeman K.G., Modified dynamics (MOND) as a dark halo, 266, 360

Sawa T. see Gardiner L.T.

Scappini F. see Palumbo G.G.C.

Scharf C.A. see Fisher K.B.

Scholz R.-D., Odenkirchen M., Irwin M.J., Absolute proper motion and Galactic orbit of M92, 266, 925

Scott P.F. see Hobson M.P.

Seaton M.J., Yu Yan, Mihalas D., Pradhan A.K., Opacities for stellar envelopes, 266, 805

Sekiguchi K. see Coates D.W.

Sekiguchi K., Nakada Y., Bassett B., RXJ 0929.1-2404: an eclipsing magnetic cataclysmic variable, 266, L51 Sharples R.M. see Lewis J.R.

Sidher S.D. see Matthews L

Skinner C.J. see Sylvester R.J.

Slavin A.J., O'Brien T.J., Dunlop J.S., The structure of the remnant of HR Del, 266, L55

Smith D., Spanel P., Millar T.J., The role of H+ and H+ ions in the degradation of interstellar molecules, 266, 31

Smith M.D., Jump shocks in molecular clouds: speed limits and excitation levels, 266, 238

Sodin L.G. see Kopilovich L.E.

Spanel P. see Smith D.

Spyromilio J. see Crawford I.A.

Spyromilio J., Clumping and large-scale anisotropy in supernova 1993J, 266, L61

Spyromilio J., Pinto P.A., Eastman R.G., On the origin of the 1.2-

μm feature in type Ia supernova spectra, 266, L17 Stafford R.P., Bell K.L., Hibbert A., Electron impact excitation of N III: fine-structure collision strengths and Maxwellian-averaged

rate coefficients, 266, 715

Stauffer J.R. see Pye J.P. Stern R.A. see Pye J.P.

Stiavelli M. see Crane P.

Stobie R.S. see Laney C.D.

Strauss M.A. see Fisher K.B.

Sumner T.J. see Matthews L.

Sylvester R.J., Barlow M.J., Skinner C.J., UIR-band emission from M supergiants, 266, 640

Szabo A.P. see Mastichiadis A.

Tayler R.J. see Chamcham K.

Testa V. see Ferraro F.R.

Tovmassian H.M., Hovhannessian R.Kh., Epremian R.A., Huguenin D., The distribution of OB stars in the directions of the

stellar associations Aur OB 1 and 2, 266, 337

Tuthill P.G., Haniff C.A., Baldwin J.E., Feast M.W., No fundamental-mode pulsation in R Leonis?, 266, 745

Unger S.W. see Lewis J.R.

Valentijn E.A., The opacities of spiral galaxies using volumerepresentative samples, 266, 614 Valls-Gabaud D. see Henriksen R.N.

Valtonen M.J., Wiren S., Two-body escape speeds in merged four-galaxy groups, 266, 353

van der Hucht K.A. see Williams P.M.

Vilchez J. see Lewis J.R.

Vucetich H. see Benvenuto O.G.

Walker G.A.H. see Bohlender D.A. Walton N.A. see Lewis J.R. Ward M.J. see Kotilainen J.K.

Warwick R.S. see Chen L.-W.

Weight A., Evans A., Naylor T., Wood J.H., Bode M.F., Nova secondary stars, mass-transfer rates and distances, 266, 761

Weissman P. see Yau K.

Whitehurst R., Eccentric-mode excitation of accretion discs, 266, 35 Wickramasinghe D.T., Wu K., A new evolutionary model for AM Herculis binaries, 266, L1

Wiechen H. see Ziegler H.J.

Wilkinson P.N. see Muxlow T.W.B.

Williams P.M., van der Hucht K.A., Kidger M.R., Geballe T.R., Bouchet P., The episodic dust-maker WR 125 - II. Spectroscopy and photometry during infrared maximum, 266, 247

Willmore A.P. see Manning R.A. Willoughby G. see Matthews L. Wiren S. see Valtonen M.J.

Wonnacott D. see Lloyd C.; Matthews L. Wood J.H. see Marsh T.R.; Weight A.

Wu K. see Wickramasinghe D.T.

Yahil A. see Fisher K.B.

Yau K., Yeomans D., Weissman P., The past and future motion of Comet P/Swift-Tuttle, 266, 305

Yeomans D. see Yau K.

Yu Yan see Seaton M.J.

Ziegler H.J., Wiechen H., Arendt U., Non-uniform mixing in collisionless self-gravitating systems, 266, 263 Zimdahl W., Pavón D., Reheating and adiabatic particle

production, 266, 872

Życki P.T., Czerny B., The iron  $K\alpha$  line from a partially ionized reflecting medium in an active galactic nucleus, 266, 653